

**Department of**

**Computer Science Engineering**

**Vadlamudi – 522 213, Guntur Dt. AP, India**

**III B. Tech R16 REGULATION**

Name of the Subject : Distributed Systems (16CS345)

Name of the Faculty : T.P.Latchoumi

**LECTURE PLAN (2018-19) I SEMESTER**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Date** | **Topic** |
| 1 | 05.07.2018 | **UNIT - 1 CHARACTERIZATION OF DISTRIBUTED SYSTEMS – Introduction, Examples** |
| 2 | 06.07.2018 | Resource Sharing and the Web-Challenges |
| 3 | 07.07.2018 | -- |
| 4 | 09.07.2018 | System Models |
| 5 | 10.07.2018 | Architectural Model, Fundamental Model |
| 6 | 11.07.2018 | -- |
| 7 | 12.07.2018 | Interprocess Communication,Introduction |
| 8 | 13.07.2018 | API for Internet protocols, External data representation and marshalling |
| 9 | 14.07.2018 | -- |
| 10 | 16.07.2018 | Client -server communication |
| 11 | 17.07.2018 | Group communication |
| 12 | 18.07.2018 | -- |
| 13 | 19.07.2018 | Case study - Interprocess Communication in UNIX. |
| 14 | 20.07.2018 | Case study - Interprocess Communication in UNIX. |
| 15 | 21.07.2018 | -- |
| 16 | 23.07.2018 | **UNIT - 2 DISTRIBUTED OBJECTS AND REMOTE INVOCATION** |
| 17 | 24.07.2018 | Introduction |
| 18 | 25.07.2018 | -- |
| 19 | 26.07.2018 | Communication between distributed objects |
| 20 | 27.07.2018 | Communication between distributed objects |
| 21 | 28.07.2018 | -- |
| 22 | 30.07.2018 | Remote procedure calls |
| 23 | 31.07.2018 | Remote procedure calls |
| 24 | 01.08.2018 | -- |
| 25 | 02.08.2018 | Events and notifications |
| 26 | 03.08.2018 | Case study - Java RMI |
|  | 06.08.2018 TO  08.08.2018 | Revision of MID-I |
|  | 09.08.2018 TO  11.08.2018 | MID – 1 EXAMINATIONS |
| 27 | 13.08.2018 | Operating System Support-Introduction |
| 28 | 14.08.2018 | OS layer-Protection |
| 29 | 16.08.2018 | Processes and threads |
| 30 | 17.08.2018 | Communication and invocation OS architecture. |
| 31 | 18.08.2018 | -- |
| 32 | 20.08.2018 | **UNIT - 3 DISTRIBUTED FILE SYSTEMS: Introduction** |
| 33 | 21.08.2018 | File service architecture |
| 34 | 23.08.2018 | Case Study - Sun Network File System |
| 35 | 24.08.2018 | Enhancements and further developments |
| 36 | 25.08.2018 | -- |
| 37 | 27.08.2018 | Name Services - Introduction |
| 38 | 28.08.2018 | Name Services and the Domain Name System |
| 39 | 29.08.2018 | -- |
| 40 | 30.08.2018 | Name Services and the Domain Name System |
| 41 | 31.08.2018 | Directory Services |
| 42 | 03.09.2018 | Case Study - Global Name Service |
| 43 | 04.09.2018 | Case Study - Global Name Service |
| 44 | 05.09.2018 | -- |
| 45 | 06.09.2018 | **UNIT - 4 TIME AND GLOBAL STATES:** Introduction |
| 46 | 07.09.2018 | Introduction |
| 47 | 08.09.2018 | -- |
| 48 | 10.09.2018 | Clocks |
| 49 | 11.09.2018 | Events and process states |
| 50 | 12.09.2018 | -- |
| 51 | 14.09.2018 | Synchronizing physical clocks |
| 52 | 17.09.2018 | Logical time and logical clocks |
| 53 | 18.09.2018 | Logical time and logical clocks |
|  | 19.09.2018 TO  20.09.2018 | Revision MID-II |
|  | 22.09.2018  24.09.2018 TO  25.09.2018 | MID-II EXAMINATIONS |
| 54 | 26.09.2018 | -- |
| 55 | 27.09.2018 | Global states |
| 56 | 28.09.2018 | Distributed debugging |
| 57 | 29.09.2018 | -- |
| 58 | 01.10.2018 | Coordination and Agreement-Introduction |
| 59 | 03.10.2018 | -- |
| 60 | 04.10.2018 | Distributed mutual exclusion, Elections |
| 61 | 05.10.2018 | Multicast communication, Consensus and related problems |
| 62 | 06.10.2018 | -- |
| 63 | 08.10.2018 | **UNIT - 5 DISTRIBUTED SHARED MEMORY:** Introduction |
| 64 | 09.10.2018 | Introduction |
| 65 | 10.10.2018 | -- |
| 66 | 11.10.2018 | Design and implementation issues |
| 67 | 12.10.2018 | Design and implementation issues |
| 68 | 13.10.2018 | -- |
| 69 | 15.10.2018 | Sequential consistency and Ivy case study |
| 70 | 16.10.2018 | Sequential consistency and Ivy case study |
| 72 | 22.10.2018 | Release consistency |
| 73 | 23.10.2018 | Release consistency |
| 74 | 24.10.2018 | -- |
| 75 | 25.10.2018 | Munin case study |
| 76 | 26.10.2018 | Other consistency models |
| 77 | 27.10.2018 | -- |
| 78 | 29.10.2018 | CORBA |
| 79 | 30.10.2018 | Case Study – Introduction |
| 80 | 31.10.2018 | -- |
| 81 | 01.11.2018 | CORBA RMI |
| 82 | 02.11.2018 | CORBA services |
| 83 | 03.11.2018 | MID-III EXAMINATIONS |
| 84 | 05.11.2018 TO  06.11.2018 | MID-III EXAMINATIONS |